

U.S.S.N. 09/148,012
Filed: September 4, 1998
AMENDMENT

Amendment to the Claims

1. (currently amended) A method for ~~altering fertility or treating a reproductive disorder in a female~~ inhibiting pregnancy or decreasing production of steroids in a mammal in need of treatment thereof comprising

administering a compound ~~altering lipoprotein, LDL, HDL or cholesterol levels~~ inhibiting uptake, binding or transport of cholesteryl ester by SR-BI in the mammal in an amount effective to ~~enhance or restore fertility or treat a reproductive disorder in the mammal~~ to inhibit pregnancy or to decrease production of steroids in disorders involving steroidal overproduction.

2. (previously amended) The method of claim 1 wherein the compound alters SR-BI expression in a tissue.

3. (original) The method of claim 1 wherein the compound alters binding of SR-BI to high density lipoprotein including cholesteryl ester or other lipoproteins.

4. (previously amended) The method of claim 2 wherein the compound decreases SR-BI expression in the tissue of the mammal.

5. (previously amended) The method of claim 2 wherein the compound increases SR-BI expression in the tissue of the mammal.

6. (previously amended) The method of claim 3 wherein the compound decreases SR-BI binding to lipoprotein or transfer of cholesteryl ester in the tissue of the mammal.

7. (previously amended) The method of claim 3 wherein the compound increases SR-BI binding to lipoprotein or transfer of cholesteryl ester in the tissue of the mammal.

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8. (original) The method of claim 1 wherein the mammal is a female and the compound is administered in an amount effective to prevent normal reproductive function.

9. (previously amended) The method of claim 1 wherein the mammal has a disorder characterized by an overproduction of steroids.

10. (previously amended) The method of claim 1 wherein the mammal has a disorder characterized by an underproduction of steroids.

12. (original) The method of claim 1 wherein the mammal has a disorder which can be treated by decreasing production of steroids.

15. (original) The method of claim 1 wherein the compound differentially alters the activity of, or expression of, SR-BI in different tissues.

16. (original) The method of claim 11 wherein the compound increases SR-BI expression in reproductive tissues and decreases or does not increase SR-BI expression in liver.

19. (withdrawn) The method of claim 1 wherein the compound is an antibody to SR-BI.

20. (previously added) The method of claim 1 wherein the compound is a drug that decreases production of steroids via selective binding to SR-BI.

21. (previously added) The method of claim 20 wherein the compound decreases cholesterol levels to decrease steroid levels.

22. (previously added) The method of claim 21 wherein the compound inhibits cholesterol transport.